

INTERNATIONAL SEARCH REPORT

IB2004/002307

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 G01M17/007 G07C5/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G01M G07C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X Y	<p>EP 0 383 593 A (HITACHI LTD) 22 August 1990 (1990-08-22)</p> <p>column 2, line 29 - column 4, line 19 column 7, line 9 - column 9, line 19; figures 1-3 column 11, line 25 - column 2, line 21; figure 6</p> <p>----- -/--</p>	<p>1, 17, 19, 20, 22-24 2, 5, 6, 10, 11</p>

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

A document defining the general state of the art which is not considered to be of particular relevance

E earlier document but published on or after the international filing date

L document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

Z document member of the same patent family

Date of the actual completion of the international search

16 November 2004

Date of mailing of the international search report

26/11/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Trique, M

INTERNATIONAL SEARCH REPORT

[B2004/002307]

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X Y	US 6 330 499 B1 (CHOU PAUL BAO-LUO ET AL) 11 December 2001 (2001-12-11) column 1, line 34 - column 2, line 2 column 2, line 30 - line 43; figure 1 column 4, line 2 - column 6, line 38; figure 3 column 7, line 63 - column 8, line 59; figure 4	1,17,19, 20,22-24 2,5,6, 10,11
A	----- EP 1 087 343 A (RENAULT) 28 March 2001 (2001-03-28) column 6, line 15 - column 8, line 44; figures 1,2	1,2,17, 20,23
A	----- WO 90/09645 A (WARNERDALE LTD) 23 August 1990 (1990-08-23) abstract; figure 1	1,2,17, 20,23
A	----- PATENT ABSTRACTS OF JAPAN vol. 0113, no. 02 (M-629), 2 October 1987 (1987-10-02) & JP 62 094443 A (NISSAN MOTOR CO LTD), 30 April 1987 (1987-04-30) abstract	1,2,17, 20,23
A	----- EP 0 718 614 A (SEL ALCATEL AG ; ALCATEL NV (NL)) 26 June 1996 (1996-06-26) the whole document	1,2,17, 20,23

INTERNATIONAL SEARCH REPORT

IB2004/002307

Patent document cited in search report		Publication date	Patent family member(s)		Publication date
EP 0383593	A	22-08-1990	JP	2215951 A	28-08-1990
			JP	2574892 B2	22-01-1997
			DE	69020179 D1	27-07-1995
			DE	69020179 T2	25-01-1996
			EP	0383593 A2	22-08-1990
			KR	157057 B1	18-02-1999
			US	5157610 A	20-10-1992
US 6330499	B1	11-12-2001	NONE		
EP 1087343	A	28-03-2001	FR	2799034 A1	30-03-2001
			EP	1087343 A1	28-03-2001
WO 9009645	A	23-08-1990	WO	9009645 A1	23-08-1990
JP 62094443	A	30-04-1987	NONE		
EP 0718614	A	26-06-1996	DE	4446512 A1	27-06-1996
			EP	0718614 A2	26-06-1996
			JP	8233696 A	13-09-1996